

AAI-14306

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Ivan V. MENDENHALL Robert D. TAYLOR	Group No.: 1755			
Serial No.:	10/704,499	Examiner:			
Filing Date:	07 November 2003	Aileen Baker Feltor			
Title:	BURN RATE ENHANCEMENT VIA METAL AMINOTETRAZOLE HYDROXIDES				
Customer No.:	45483	·			
	DECLARATION OF DR. GARY 1	C. LUND			
Commissioner f P.O. Box 1450 Alexandria, VA					
Dear Sir;					
Declarant, Dr. C	Jary K. Lund, declares as follows:				
1. J	am one of the joint inventors of the st	bject matter described and			
claimed in U.S.	Patent 5,742,647 to Blau et al.				
2. I	have a PhD degr	ee inInorganic			
Chemistry fro	m the University of Georgia				
attached or onci	that this correspondence (along with an osed) is being deposited with the United of envelope addressed to: Commissioner 2313-1450 on	States Postal Service as First			
29 Sept	ulu 2001				

Signature

I/mem

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3,	I ha	ve more ti	nan27		ears of work		
experience;	as a	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	res	earch an	d develop	ment che	mist
4.	ī	am	presently	a	staff	scie	ntist
for Autoliv	ASP,	Inc., a corp	oration duly org	anized a	nd existing	under and	by
virtue of th	e laws o	of the State	of Indiana and ha	ving a pr	incipal offic	e and plac	c of
business at	3350 A	irport Road	, Ogden, Utah 844	105.			

- 5. I have read and reviewed U.S. Patent Application Serial No. 10/704,499 ("subject application") and the Office Action dated as mailed 31 March 2008 ("Office Action") relative to that patent application.
 - 6. I have read and reviewed:
 - a. cited and applied U.S. Patent 5,742,647 to Blau et al., including its specification and claims; and
 - b. cited and applied U.S. Patent 6,143,102 to Mendenhall et al., including its specification and claims.
 - 7. In the Office Action,
- U.S. Patent 5,742,647 to Blau et al. The Office Action asserts:

Blau discloses slurry mixing of oxidizer such as copper hydroxide and fuel such as 5-aminotetrazole.

The Office Action further asserts:

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It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the claimed compounds present in the composition since they will form upon reaction of two compounds that are combined in a slurry and then added to the composition.

- b. Claims 54-59, 61-66 and 69-71 were rejected as being unpatentable over U.S. Patent 5,742,647 to Blau et al. as applied to claims 39-51 and further in view of U.S. Patent 6,143,102 to Mendenhall et al.
- 8. Based on my experience in both working with the chemical ingredients identified in U.S. Patent 5,742,647 to Blau et al., and the processing described in U.S. Patent 5,742,647 to Blau et al., including the processing described in the Example section of U.S. Patent 5,742,647 to Blau et al., the slurry mixing of oxidizer such as copper hydroxide and fuel such as 5-aminotetrazole, as set forth in the Office Action as disclosed in U.S. Patent 5,742,647 to Blau et al., does not result in the formation of metal aminotetrazole hydroxides, particularly copper aminotetrazole hydroxides, in accordance with the subject application.

CONCLUSION

9. Slurry mixing of oxidizer such as copper hydroxide and fuel such as 5-aminotetrazole as set forth in the Office Action as disclosed in U.S. Patent 5,742,647 to Blau et al., does not result in the formation of metal aminotetrazole hydroxides, particularly copper aminotetrazole hydroxides, in accordance with the subject patent application.

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10. All statements made herein of my knowledge are true; all statements made on information and belief are believed to be true; and I make these statements with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may Jeopardize the validity of the application or any patent issued thereon.

Dr. Gary K. Lund

Sept 22, 2008

Date

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